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PATENT

S/N 10/723,445

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Prabhu Krishnamoorthy et al.	Examiner:	Unknown
Serial No.:	10/723,445	Group Art Unit:	2682
Filed:	November 26, 2003	Docket:	543.011US1
Title:	SYSTEM AND METHODS FOR SEGMENTING AND DISPLAYING TUBULAR VESSELS IN VOLUMETRIC IMAGING DATA		

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Several of the documents, cited in the attached 1449, were discovered as a result of a Search Report in Applicants' corresponding foreign patent application. Enclosed for the Examiner's information are copies of the Search Report and cited foreign patent documents and other publications.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Supplemental Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Supplemental Information Disclosure Statement considered.

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Serial No :09/945,479

Filing Date: August 31, 2001

Title: ON-LINE IMAGE PROCESSING AND COMMUNICATION SYSTEM

Page 2

Dkt: 543.019US1

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

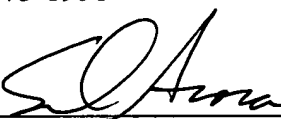
HUI HU ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6951

Date June 13, 2005

By




Suneel Arora

Reg. No. 42,267

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 13TH day of June, 2005.

JAMES KANYUSIK  
Name

  
Signature

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/723,445
Filing Date	November 26, 2003
First Named Inventor	Krishnamoorthy, Prabhu
Group Art Unit	2682
Examiner Name	Unknown

Sheet 1 of 1

Attorney Docket No: 543.011US1

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-2003/0053697 A1	03/20/2003	Aylward, S. R., et al.	04/09/2001
	US-2005/0074150 A1	04/07/2005	Bruss, A.	10/03/2003
	US-5,699,799	12/23/1997	Xu, B. , et al.	03/26/1996
	US-6,501,848	12/31/2002	Carroll, J. , et al.	11/20/1999

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T <sup>2</sup>
	EP-1225541A2	07/24/2002	Turek, M. W., et al.	
	WO-00/55812A1	09/21/2000	Kaufman, A. E., et al.	
	WO-02/29764A1	04/11/2002	Kaufman, A E., et al.	
	WO-2005/034040A1	04/14/2005	Bruss, A. , et al.	

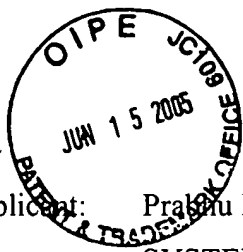
**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		"International Search Report for corresponding PCT Application No. PCT/US2004/039108", (Attorney Docket No. 543.011WO1), (March 22, 2005), 4 pgs.	
		BANKMAN, I. N., "Plate 3 – Plate 29", In: Handbook of Medical Imaging Processing and Analysis, Academic Press, Publishers, (2000), 9 pgs.	
		DAWSON, S. L., et al., "Designing a Computer-Based Simulator for Interventional Cardiology Training", <u>Catheterization and Cardiovascular Interventions: Official Journal of the Society for Cardiac Angiography &amp; Interventions</u> , 51 (4), (Dec. 2000), 522-527	
		HALL, P., "A Complete Simulation of X-Ray Angiography", <u>Proceedings of the Spie- The International Society for Optical Engineering</u> , 3338, (Feb., 1998), 1064-1075	
		KRISHNAMOORTHY, P. , et al., "System for Segmentation and Selective Visualization of the Coronary Artery Tree for Evaluation of Stenosis, Soft Plaque and Calcification in Cardiac CTA", <u>Imaging Decisions MRI 2004, Vol 8 (2)</u> , (July 2004), 25-30	
		MAROVIC, B S., et al., "Enhanced Visualization of Angiograms using 3D Models", <u>Proceedings of the SPIE – Conference on Image Display, Vol. 3658</u> , (Feb. 1999), 90-98	

**EXAMINER****DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Pradeep Krishnamoorthy et al.

Title: SYSTEM AND METHODS FOR SEGMENTING AND DISPLAYING TUBULAR VESSELS  
IN VOLUMETRIC IMAGING DATA

Docket No.: 543.011US1

Serial No.: 10/723,445

Filed: November 26, 2003

Due Date: N/A

Examiner: Unknown

Group Art Unit: 2682

**MS Amendment**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

- ☒ A return postcard.
- ☒ A Supplemental Information Disclosure Statement (2 pgs.), Form 1449 (1 pg.), and copies of 10 cited documents, including the International Search Report for corresponding PCT Application No. PCT/US2004/039108 (4 pgs.).

If not provided for in a separate paper filed herewith, Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

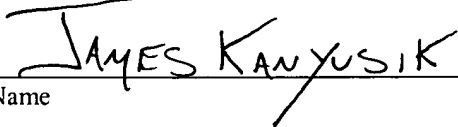
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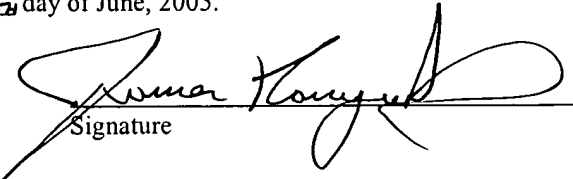
By: 

Atty: Suneel Arora

Reg. No. 42,267

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Name

  
Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

(GENERAL)